

Diary

1867

126-1/2

5/26-7/13/1867

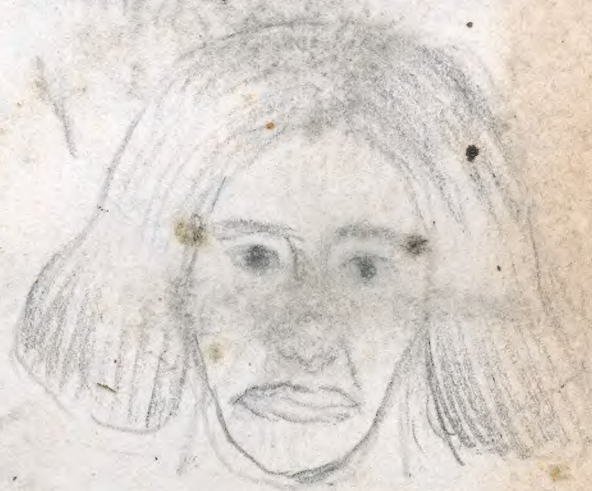
Mutayka. No. 11.



child's parka



young N.
Tame.



70 bag
Muklukapet-



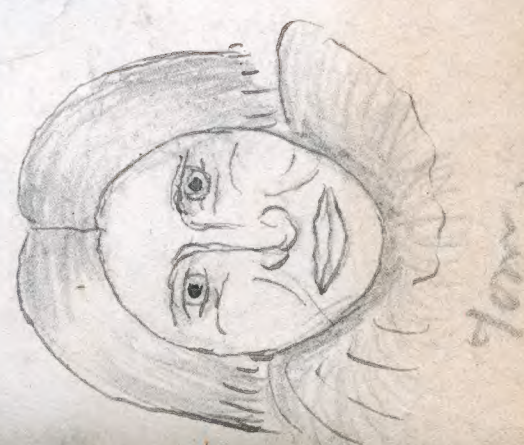
yellow with dirty
hair

Braided with
Porcupine quills
and deer skin.
4 heads

Johnoidola



Koyoukuns
sketches
on the cover



S. J. list.

Reg. No. 15. Ayres fishes - sent
Feb. 28. 1866 —

Box No. 16. Notes, drawings -
and sharks jaws - Feb. 28, 1866

Two boxes
a box or two of Bannister
a barrel of birds
and a can of specimens
sent back by Nightingale

1 box No 1. Mulate Fossils
1 " No 2. " birds &c.

Stores for Yukon Trip

To go up take		2100 Drums
Flour	150 lbs	Leave 50 lbs
Sukree	50 lbs	
biscuit	100 lbs	
Bacon	60 lbs	25 lbs
Rice	10 lbs	Leave 2 lbs
Vegetables	5 lbs	
Tea	9 lbs	2 lbs
Sugar	18 lbs	
Pepper Salt &c	3 lbs	
Shot	15 lbs	
Tobacco Sitka	10 lbs	
" Black	8 lbs	2 lbs
" Russian	10	5 lbs
Cora Lee	10	2 lbs
Powder	8 lbs	1 lb
Balls	10 lbs	2 lbs

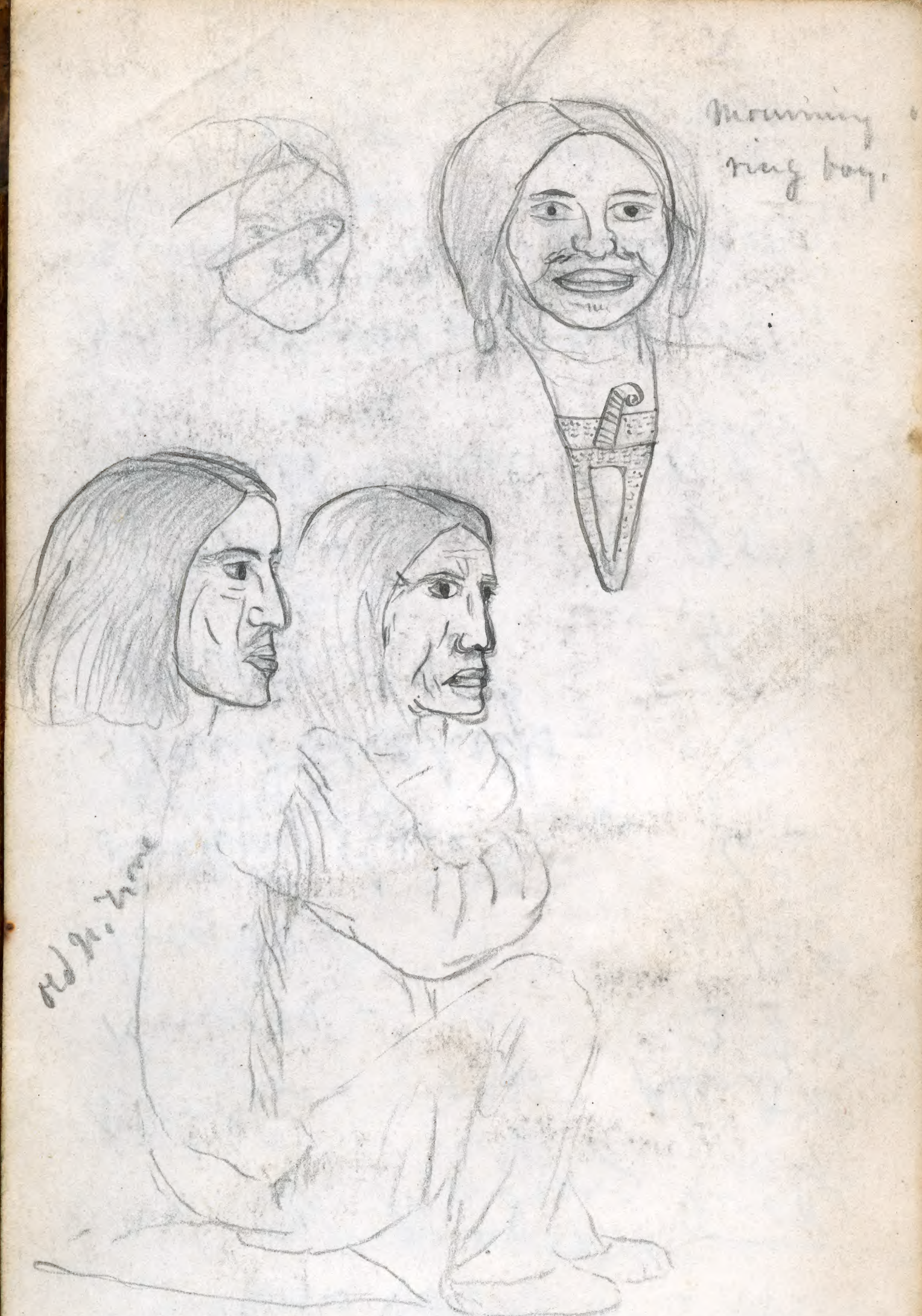
2 Kettles, chynik, mess pan
 frying pan, 3 plates, knives & forks
 spoons & cups
 Cartridges 10 lbs.

Guns, Blankets, oars, mast, paddle
 sail, tent & poles, rope, bidarra,
 3 Indians &c.

Small trading goods

Needles -	Adenty
Knives -	3 -
Beads -	a few
Looking glasses -	6 -
Handkerchiefs -	5,
Drill -	4 yds
Caps -	250 -
Shirts & steel	10 + 4 -

Grease, lovetak, remme,
 mahout, Musquito nets
 map -



— Medical Report —
to Col, Bulkley 1866-7

Dear Sir —

Upon the receipt of the necessary papers I entered () upon the discharge of my duties as Asst-Surg in

The requisitions were promptly handed in to the Surgeon in Chief. A report of his malicious failure to fill them and of his further unofficerlike conduct was forwarded with promise of approval, by Major Wright

It was proposed to leave in the country two men rotten with syphilitic disease. One still suffering from it and one ostensibly cured.

I addressed a letter on

the subject to Capt. Scammon protesting against it. The sick one was taken back but the other, whose disease may at any time break out afresh was sent ashore.

The continued hate of the Indians for the Russians caused by the introduction of small pox over fifty years ago, and the war like attitude of the Chilkats threatening serious interruption to the progress of the line, resulting from the introduction of the scarlet fever from an American trader; these are sufficiently strong examples of the danger of leaving in the country a fearful disease which has ever

devastated as by fire the natives of every country where it has been introduced. I would again protest against the crime of bringing such a calamity upon an unsuspecting and innocent people — on the 1st of I left the Redoubt in company with Capt. Ketchum for Unalakleet arriving the 10th. After some delay preparations were made to leave for Nulato according to my programme approved by you I choose that place for my headquarters. Capt. Ennis, by your direction appointed me an assis-

tant. Lt. H. W. Smith, to attend to the wants of that station as far as our scanty supply of medicine would allow. Copies of the order appointing him with the approval of Capt Ennis and of orders ^{to H. S. Caldwell} relating to transmission of medical stores from Grantley Harbor to make good our deficiencies, are enclosed - (A. B.) Capt K. proceeded to Nulato and during the interval Mr. Francis and myself were engaged in pushing his supplies on dog sleds from Iktigalik to Ulukuk. The next trip I proceeded to Nulato where I ~~arrived~~ arrived

Soon after my arrival a favorable opportunity occurred and taking an Indian, sled, and dog I went to the locality where coal was reported and camped out during one night cleared away the snow from the cropping and thoroughly examined it. I regret to have to report that though the coal is of good quality (a free burning bituminous, not caking.) It is a mere patch of a few yards in extent on the extreme spur of the bluff, all the rest having been denuded.

The strata are so crumbling and twisted that it would ^{have} been difficult to work if the quantity ~~had~~ been sufficient to warrant it. We may still indulge in the hope however, from the geological formations along the river that coal of good quality and sufficient quantity will yet be discovered on more careful examination.

~~After~~ About I heard from below, that Capt Ennis on what grounds was not stated, had some in

tention of interfering in the Medical Dept. of my District. The erratic character of that gentleman's movements being not unfamiliar to me I address a letter (of which a copy is enclosed,) to him on the subject.

Not handed in —

Tariff -

Duck, five balls powder

Goose, five to 7 if fat.

Beaver tail, 4 balls, or pap. gr. tobacco

Deer meat, breast, dried, 6 to 8 ball $\frac{1}{2}$.

Deer tongue - 3 goes of powder

Flat, according to kind, high.

N. B.

Get at Fort Youkon

~~Beats -~~

✓ Soap -

✓ Mouse skin - 2.

~~Plates -~~

✓ Moccasins - 18 pair.

✓ Rossamozza for parkies 2

~~wolf skin for do~~

✓ Verbi che for snow shoes

~~If possible a pair of do -~~

~~Pennsylvanian~~

~~Indian knife,~~

Buckskin shirts &c (1.)

Sunday May 26th. 1867.

Morning. Raining hard and very chilly. Hit out Dyer antoshka and Aloshka in their bidark for their voyage down the Youkon to Romangoff and round the mouth of the Kuvitpak to the Redoubt. They start about 7.15. All deeply loaded. The Russians get their large bidarra loaded, taking a bag of flour and one of biscuit for us. We load our little bidarra, and Mikaishka and Hacy totantimones brother whom we will call Tom, as his name is perfectly ungodly in sound & length and Kurilla who nips & myself get ready leaving Pickett & his woman to occupy our shanty. Mr P. scolded a spoon to our disadvantage and also a kettle which we needed badly.

The Saklitsky Indians who arrived very early, brought me
over a lot of bird skins to
sell - I could not find
time to buy them as we
were off at 8 o'clock,
in company with the Rus-
sians. The rain rendered
our start very disagreeable
and in the heavy rain boat
was ill packed so that we
were unable to sit down with
any ease. We paddled up about
six miles in company with
the Russians, took tea at
a little creek and pushed on
two or three miles more
when we met such a flood
of drift wood and ice as
to endanger the boats.
The Russians turned back
and camped but with
some misgivings we pushed

our way across the river
through the floating mass,
arrived safely where the
drift wood did not run, on
the other side; paddled up
a mile farther, and camped
in a driving rain. Muey's
family camped within
and we dined off salt-water
fish and tea. Everything
wet and nasty. Turned in
early for an early start in
the morning.

N.B. The three species of
swallows, obtained at Mulets
village & live in the same kind
of mud nests as the ordin-
ary cave swallow, I think
they have different habits
in civilized countries.

The formation changes
opposite our first camp
from the sandstone to some
thing else, but what I did
not get near enough to
see. Must look when we

return down the river,
Monday May 27. 1867
Start at 3 P.M. and camp
the Russians who went a little
further & camped. We through a
small strait between two islands
to the N. Koyukuk. Sopka goes
take tea and dinner. Sopka goes
down river and at 10 P.M. camp
is fixed here. Pass the Sopka and
camp in town or two in the river
crossing. Camp and camp about
three miles. I left on a point
of Willows in anticipation of rain.
Met several a lot of Koyukuk half
way between the Sopka & camp. Some
own & house are there. Buy a lot
of dried meat & fat. Proceed to camp
on company with several Koyukuk
& in a house of the Koyukuk. Take
the best place we can find. Last
year camping ground being covered
with water. Buy about fifty lbs of
dried meat & grease & fat & a good
quantity of tea. Give some of my gun
and trading. Have to pay large
price to the Koyukuk in return

and with the Koyukuk. Pick up
meat & fat about the Russian
boat, as ours is very small & crowded.
N.M. Buy a full & 15 mouse skins
at the Sopka & leave with N.M.,
to bring down when we come back.
Buy a king fisher of an Indian at
camp and get a lot of furs, skins &
buckles. See a sandhill crane but
can't bring him down, also many
swans, and some black geese, get
two eggs of the latter, which flew away.
The Sopka is ~~about~~ perhaps 300
feet high or more (with the plane of
the strata parallel with the river
at an angle of 76°) foliage on
the island first willow alder &c
& then poplar and on the high
parts spruce, larger than below,
there is more willow & poplar on
the north bank & spruce on the
south, low land except the Sopka.
Day fair but cloudy with thunder
showers.

Tuesday, May 28
Start early about 1 P.M. I go to
Woods, take some up the river

leaving the Russians just as
they are about to start; we leave
them two bundles of meat, which
however they put aboard a birch
in charge of our Indians, just as
we didn't want. Pass through
the narrow strait between a long
island (E by S $\frac{1}{2}$ S) and turn up
(N by E) passing our Indian house
& grove & come to a steep sand-
stone bluff just beyond which
trees &c are rushing past at
about 7 or 8 knots. The swift
current is however narrow.
We saw the little fleet of bark
canoes except almost a mile
down stream on crossing, but
went up a little higher to the
extreme end of the eddy and pushed
across being not much more
than a quarter of a mile.
We waited the rest opposite and
saw the Russians kill a beaver
and come across with about
the same luck as ourselves.
We then arrived on the same
side for some distance (NE &


Passing the banks crumbling
from the action of the water
and now and then falling
with a noise like thunder.
The bank is under worn at
the water edge every where
from six to 24 inches and
large trees often are cast
down into the river, which
delivers them at its mouth
with the roots, branches, top
and bark, much charred off.
Passing a very long island we
cross to the other side seeing
a small densely wooded bluff
about 60 ft apparent height.
The first on the south side
of the river. The sides of the
river except at the bluff men-
tioned are low and wooded as
far almost entirely with tall
poplar and willows. The spruce
is scarce and small. Pines if
not all of poplar would have

to be brought several miles at
least. An enormous amount
of clearing will have to
be done to build the line
if near the river, and this
will be the greatest obstacle
to the construction of the line.
We then took tea about 4 till
we the boat and invited the
Russians to describe crossed
again at a very broad part
of the river at least two miles
and probably nearer three. The Rus-
sians fired a heavy gun to notify
the Indians that they were there
ready to buy furs, but none came
forth. Found an old man with his
wife to buy two otter skins of him.
Stop again about twelve and
drink tea and try our sail
but wind very variable. Then
coming to anchor about two
and camp on a steep bank. A
short time after the Russians

came and buy three seals
fat, ducks, geese and a bird skin
or two.

N.B. Got two snipes, brown necked
a green wing teal & the head of
a bird I have not yet come across
since we inhabited the lakes & have
short legs, a summer visitor & birds

Wednesday May 29

E by S. 1. ESE 2. SE 3. / Tahiti
into SE / E by S. 5. / S. 11 to SE by S
NNE 6 miles E 1, S by E 2,
N 3. Sandy bluffs 1.
E. 2. (S. 11 to S) 

Morning. Rise about 4 till and
off a little after the Russians at
five o'clock. Pass through various
windings of the river and drink
tea about noon on a willow
bank. Pass a bold sand & clay
bluff on the north shore lay-
ers nearly horizontal, sail a
mile or two in the afternoon

from Saccabutan. Many Indians
are here fishing & hunting at
some seasons. I saw something
new in the way of a blanket, made
of a reindeer hide tanned with the
fur on, reddened & cut in fringe
to a point and ornamented with
beads like a Hopokun parkie
ties with one string at the neck,



also breeches
of deerskin tanned
dark brown with
the patterns of
beads in the pat-
tern sketches
worth 20 sables at

least beside the skin and making up.
Have some sables offered for powder
for the third time at least, but refuse
to buy any. It is better to let furs alone
and attend to business. Afternoon
think of starting but rain & head
wind coming up wait a little, we
are making very slow time, not
more than twenty miles a day, but
have to go thirty to make that, the
river is so circuitous and having
to cross, a distance of two or three
miles to above the strong current
at the bends. The river is three

or four feet higher than at the
same time last year, so we cannot
back at all, making slow progress.
Got on top of the mountain with
some moss, a piece of skin,
a bunch yellow hair, and with
some plant mosses & beetles.
Conclude as it rains hard to
stay till we collect tomorrow
skin birds, then will be at
chance to turn in.

Friday May 31

E $\frac{1}{2}$, N $\frac{1}{2}$ E. (Bluff R.R. NW 10° 40' dip
hard blue sandstone) ENE. 2, NE 3
(Bluff) brown sandstone dip
NW by W, 25°, angle of strata
15° SW.) N by E (Bluff with
sand stone and a ridge of trap
and hard gray stone like slate
but not foliated. Dip 90° W. and
a little further 67° W.) Still
further by sands, & a thin layer (bed)
of shale dips 20° NW angle 15°) 40 yds
further blue sh. in horizontal layers
much weathered. NE by N 40°

More strata all along section
above 500 to 1000 ft. N. by W. (then
side N.W., hills in distance) more
more blue soil. horizontal, - 10 ft.
high banks of yellow & blue gravel
mixed with quartzose pebbles
then 600 yards of blue soil, dip
West 10°. horizontal. N by W 1.
(Bluff br. sandst. - dips N.W. by N. 10°
angle 20°) NNE 1 More blue
sandstone dip 5° W. (vertical)

Start a little after the Pinkies
Pass Sacatalontan about 3.30 a.m.
Pass behind several islands
along the N shore which is high
with many bluffs of blue & brown
sandstone and immediate
banks of gravel containing gravel
pebbles, I have not seen a pebble
of granite yet in the country.
Stop for fire on the bank at
10. I find a greasy duck
nest on the bank with 9 eggs - I
keep 3 of them and we have ham
and eggs when we camp. Med-
ical supplies & quantities of food

and a very hard current render-
ing it dangerous to proceed
We leave our bedarra in water
over night with the tent above
and camp on a very high bank in
the open air.

Saturday June 1, 1867

Bluff blue soil dip W 5° angle 10°
(N.E. by E 5) Bluffs 200 yds. blue & br
soil in thin layers for about 1/2 mi.
dip 10° W angle 15°. These bluffs
continue for several miles.
N.E. by E 5. (bed of conglomerate
or pebbles) 20 ft wide with
brown sandstone on top dip 28° N.E.
angle 45. in layers N by E 4.
(N.E. a little further more say) N.E. a little
about 100 yards wide further on
a bluff to be looked at when we can
form. N.E. 4. more conglomerate and
granite and running into the
blue soil. That in turn with the
br. The conglomerate contains red
blue granite, shale, porphyry, quartz
quartz with hornblende, epidote
and felspar, graphic porphyry on

red porphyritic pebbles and green
stone, all in the shape of pebbles
The body is composed of these
same materials more finely divided
into sand and gravel. NE by N. 101
Bluff red sandstone dip N 10 by N 10
much broken & with thin decom-
posing layers - E by N 5. 101
at least 4 inches with thin
large islands. Rotten sand below in
thin layers & shale a little dip 5'
NE. angle 12°. NE 2. N side low
& wooded. S side hills on S side

Leave at 1 P.M., and pull
against a hard current for six
hours when we take tea on
the bank near the conglomerate
bluff. a flight of swallowtail
butterflies take place while we
are there and I secure several
- a Sand hill Crane, a hawk
with black eyes new to me, see
a bird singing and looking a
good deal like a mockingbird

also a beautiful ^{myio. pusillus} sparrow
dark, touched with yellow (all)
and another pair of thrushes -
Get the egg of the pintail duck and
an egg like the greenwing but
which they tell me is of a duck
I have not yet obtained. See
a pretty slate colored sparrow
and a bird with a head like
a ^{greenwing} cherry bird but no yellow
is red in the wings - a pair
wind springs up and sends
the Russians with their big
sail far ahead and we too
round a six mile bend
where they sailed without
ours about half past five
reach the camp quite worn
out with fatigue, the heat
of the sun and hunger. Get
a good dinner, Get Larion
woman to mend our bedarra
which is cut with drift
wood skin three birds and

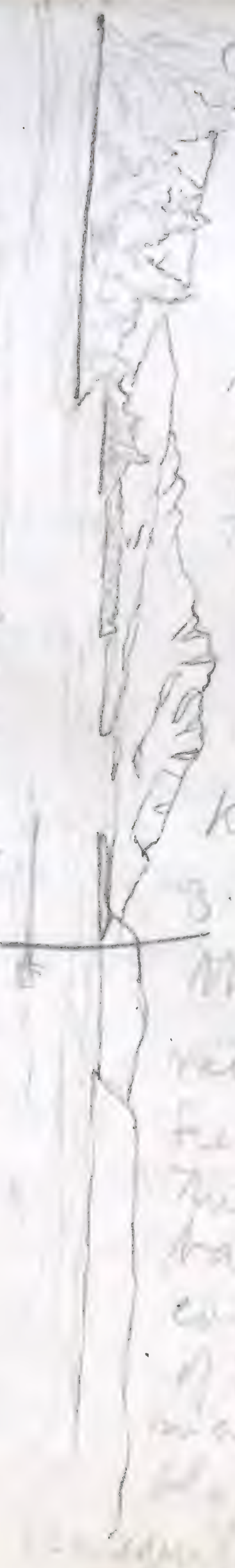
write up notes and turn in.
 The bluffs are now changed
 to the South side of the
 river where they are generally
 well wooded instead of abrupt
 as on the North side. They
 appear to be sandstone.

Sunday June 2

N.E. 2. (S) Co. 2. Bluff. N 3. Melogikahent
 River, Mt. Hokotila bears
 N, 70° E, 10 m. N by E 2, 2, High
 grass (banks on N side) about 20.
 N by E 6. No hills or bluffs S side.
 N.E. by N 10. High grass, banks N.S.
 NNE 4 very wide

Leave at 5 am about half past
 four after the Russians and as
 there is a good breeze going they
 leave us rapidly behind. About
 ten pass the mouth of the
 Melogikahent River and have a
 fine view of Mount Hokotila.
 The first of a series of high mountains
 on the north side of the
 river. Stop at eleven and the sun

is very
 warm
 on, but
 springing
 so on but
 get dinner
 conclude
 we pass
 and camp
 day, we
 miles from
 get a fine
 nest and
 birds in
 very crow
 some birds
 at least
 also on the
 road have
 nests of
 there is one
 blue
 to fly



hot and
 to sleep till
 as there is
 a good breeze
 up about 300
 soon lose it.
 about five
 to go on till
 the Russians
 sleep next
 are about 25
 Newikahut.
 Kingfisher
 3 eggs with young
 them of the
 red sparrow
 feed maple
 two feet in diam
 bank, which
 come from
 of the river
 maple have
 high water
 the water has

fallen at least a foot - today
go on, find the Russians along
on the bank about 11 P.M., etc.
nest, and push on to sleep to-
morrow when it is hot - Bring &
duck, new to my bird - from the
moskita - alive, 24 - is yellow
light - all night over even
and the sun is lower - for about
2½ hours, 9:10 - almost - from the
grove and some - becoming very
shiny in the leaf in the open air
N.B. The gray kingfisher is quite
common here, builds in e large
and deep hole which it digs like
a cliff swallow in the face of
a high bank. I could have got
several more if I had time to keep
them in. One kept in a very small
place.

Monday June 2, 1861

N.E. 1, low - low S. N.E. 2, high N.
N.E. 5, N.S. high white clay & gravel
low. Moskitas (low) leaving F.N. 2,
by N. 4. Pelicantariae Paulownia
very green here with two large oaks

W. E. by N. 3. 10 N. back to
both sides N. E. S. S. 32 m. back
right and around.

Leave after about an hour sleep
pushing on to the Russians will
along, break a little and pull
a good deal. About eleven the
sun gets so hot that we have to
go to a shade and sleep for an
hour or two and then push on
to the place where the Russians
camped opposite Muirkebyrd.
There is either a herd or
the herds there or no Indians
or something wrong for they have
not made their appearance.
The Russians are going to send
two men over to look up the
 Indians and they have all day
 tomorrow to do the business.
We shall have to follow them through
of them are no Indians there
it will be very bad for us

for we have relied on this place
for a supply of dried meat for
our journey. The only other place
where we could get any at
Nuklukahgut and there are
so many Indians there for a
short time that I fear it will
be scarce, and Whympar has
been very extravagant with food
giving away to every hunting
Indian and letting them help
themselves, so that we have up
to this time used over 75 lbs of
our biscuit, over half and not
a quarter of the way yet, My re-
monstrances were only met with
a burst of temper. and it could
be helped now. I proposed to him
that he should take charge of the
boat, carrying goods & Indians
and leave the trading entirely to
me, which he agrees to. Benjamin
fresh seawater meat, a duck & two
eggs. Skins two birds. The duck
turns out to be a golden eye.

Just as I get under the blanket
I hear cries of Indians coming
and Larion comes in and tells
me there will be plenty of meat
soon, and buys some tobacco on
the strength of it. I get up &
find the Nuklukahgut & one or three
others, and Horaman who went
up with Ketahum in the winter
with the following news. Ketahum
got up there with all hands in good
condition having killed some moose
on the road. They had a starving
time there and he fed them with
his flour in the spring he started
4 days ago with Mike & no
food but pemmican for Eidekik
Loring, Snow, Horaman, & the two boys
with 4 dogs, all that were left,
down a boat made of moose skin
bark did not turn out well.
The commander & a workman were
trapped at St. Yorkon this spring
in a birch whale house shooting
at our tent struck Belurra
wounded, and dogs raised, and
went down the river & across
for Nivuz Kalgut Harbor.

Thursday June 4.
N.E. 14. very little snow about 3 days
Islands? 16.

arrive about 12 PM, and get up and
pitched after some time. as there
is very little room, but
packed with a little tea & prepared
to sleep as well, at least, I have
slept but two hours the last two
days. about 11 AM dress & get
ready to trade for meat as they
say they are starving at Nullokah
get a great many kidneys & very
little to eat. Antonio Houle is
here and sends word by Peetka
to me to hurry up there. Old
Swan Yoon has prevented our
loading up an express to him as he
told them the English had and would
kill him. He is a complete old bill
sketcher and I buy about
200 lbs of dried meat and 50 lbs
of fat & in pieces from the different
tribes which takes nearly all the
morning. Give presents to the various
tribes etc. Get a nest & egg & mother
of a black & white headed sparrow
and a mouse & a weasel skins &
a new birch canoe of the

largest size, giving all my own
stuff & buying some with money
from him to make up the deficit
necessary. Give & Athanas drill
& napoches & katchy tobacco &
bills for it. Give Kuwith some
trading goods. The Russians are
buying large quantities of beads
& cables & a canoe to send them
down river & have taken Hosman
to take it down, and left Patka &
Cyprian to take down the six
dogs in their boat. The meat is most
ly mastic meat and very long
the fat also mostly saccate &
put up like large sausages in
fat skins or like lard in birch
skins. Evening Larriown & his
wife have a disgusting powwow
over a sick man. It consists
in chanting the Nahah he ho song &
stamping & prancing around a
fire incircled by the crowd
& trying to suck the evil spirit
out of the patient. his wife also, though
the patient's pains. Fix up the tent
with our notes and turn in for
the night. Have engaged two
men to take up our canoe

on and started taking a letter
from the captain to us which he
delivered safely. We
will wait at Nuklukahyet for
us but I will go and see
about it.

had just overhauled his gun
and everything but
on, give Katchum
wants us to wait at Koryoukon
till his return from Kori Kichik
for which he strikes this summer.
He has an arrangement with Ivan
Kidanlik who gives him a letter
to Major to feed him until he
returns, from Nuklukahyet when
they will go together to the Redoubt
and he will probably join our
company for this. We gave him
to understand that if he chooses
during the time to remain at
Kori Kichik to work in the house
he will have nothing but of course
we have no authority to engage
any man and do not wish to
cause any trouble between the

two companies. Ivan gives
him a blanket & a flint & steel
and I give him two plugs of
tobacco, 20 loads powder 12 balls
and a bunch of dry tobacco
to buy grub with while going
down. Make up a package
of ammunition for Antoine
Houle and will send Cousin
on ahead with it & a message
in the morning.

Thursday August 183
N.E. 6. High gravel banks
mixed with rounded stones of
quartzose character mixed with
hornblende & epidote &c. Bluff, low
of laminated rock a sort of mica-
ceous stuff with out much iron
about the end of the hills the
low hills gradually rise down
down to the river. On bluffs
on the N. to the micaceous rock
continues. N.E. 2. a large island
low off shore the first bluff.
N.E. 4. more micaceous rock
Sip 15° W. down to 35° to dip

2 miles with the ...
 from the
 low bank. 2 1/2 ...
 numerous ...
 ground near ...
 place ... 5 by 8 around
 the island ... 5 1/2 ...
 ...
 N by E ... E 4 1/2 ... E 1 1/2
 ...

Lay by to ...
 from travelling ...
 to the right - which thing
 all day light is cool.
 About noon a puff of wind ...
 The Russians ...
 Against my remonstrance
 our things are put into the
 and we sail about 300
 yards when as I expected the wind
 died utterly away. By using all the
 entreaties I could, I induced Whymper
 to go ashore and let us sleep

till evening and then go on and
 pass the Russians. sleep the
 next day and go on the next
 night. At half past six start
 but through some mistake
 of Russell we go around a
 slough in the river about
 25 miles of which at least
 ten is dead loss, about four
 o'clock get into the Yukon again
 and ... point see the
 Russian camped. Hear they
 intend to start early in the
 morning. Whymper sees some
 fresh meat which acts on
 him like ... rhododendron on
 rats. he insists on changing
 again sleeping a few hours
 and then starting in
 the very hottest part of the
 day. He has not the same mind
 twice alike. We have been for
 the last four days pottering
 away our time - sleeping an
 hour or two at long intervals
 which does not do any one
 any good and we do not
 go as far as if we settled
 fairly down to our plans.

Cousins whom we saw in the
a pick-up truck. We
stopped on the road to Uigul
dear. The Russian two but later
by mistake, our business, the
man who came down with
the truck has gone up and
will tell him we are coming.
The C. started down when we
started up.

Friday June 7.

N 4. S. a high bank
a little way back, NE 5.
High N. H. of day 2. S. 5. NE 5.
Picked up a few pieces of obsidian
on the beach, NE 5. M. r. v. v.
with thin sheets of quartz dip 10-15
SE 3. NE 2. N 1. Low banks on
both sides are covered in the
shore. (Sutzikunten river, small)

Start at 2 a half hour after the
Russians. Truck nearly all
day, especially hot and fat-
iguing. All rather worn
and tired. A constant pad-

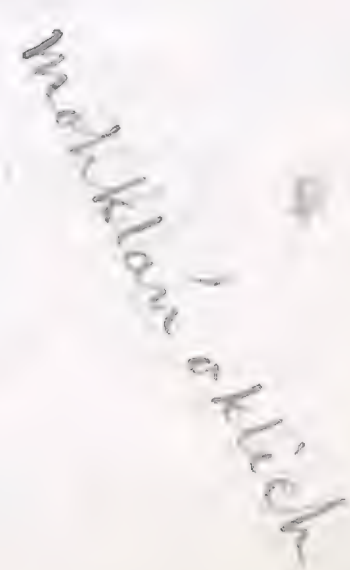
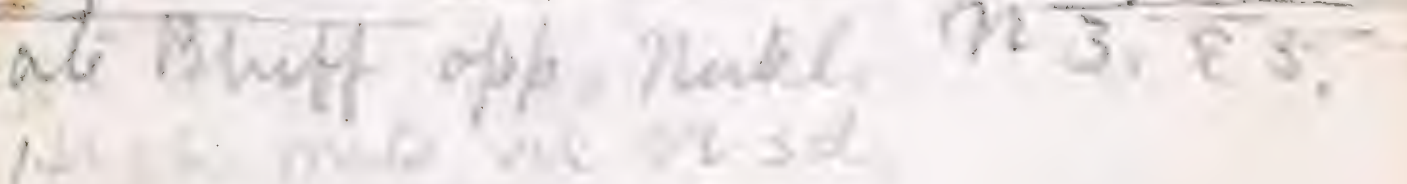
dling on at a strong cur-
rent for four days with
only about 10 hours sleep
at long intervals. We had to
leave the Chi-pat at 1. and
hurry off as a good word
sprang up and carried us
down the river. The mosquitoes
have come out as thick
as sand and torment one's
life out. They are small &
a different species from the
one at Nulato. A severe
flood of black & white and
yellow butterflies got very
many. I saw a male bird
down by the
& got a white wings teal &
camp with the Russians
about a day & a half from
Nulato. I have a
good dinner of deer meat

N. L. West bluffs of yellow sand
with white shale down

horizontal breadth, each approx-

N E by E S. " G. ... north

[Faint handwritten notes at the bottom of the page]



112

Lower our camp on the
beach about 7.15 AM, & we
back pull our sail till
11 when we stop near the
mouth of the Tozibet R.
Start on our trip
sailing but cannot sail with
the Russian boat & therefore
fall behind. About half
past five come round the
bluff opposite Muklukabyet
where we find the Russians
taking tea & waiting for us
take a hasty cup of tea &
go across with them. The In-
dians who came up with us
from one side and those
living there on the other &
after a few words from the
Muklukabyet Inupiat (who
came down to Enlat last
winter) each side advances
separately and go through

a kind of mock fight
firing their guns loaded
with powder in the air
there are very few people
here, the news is not good
as follows. Antoine Houde
& the English Indians
at least two of whom we
expected to be here to guide us
up, are all gone, two days - for
there is nothing to eat here. They
left no message which is some-
what. But in the event of the
worst, having to push our way
up alone, I thank the meat
I had in at Naukaket &
a little we have with the Rus-
sians & our other food, will
carry us up. We send a man
with some women to
up on a ledge to overtake
him & get him to wait
up for us & get our stuff ashore

and pilot in tent. The
trips in some fat and
ash to make him a part
ent of some balls of marrow
which in a little is left
with the marrow in it. I
suppose we must but our pay
is very low. The Indians
have a dance, two in a circle
with their faces blacked in
a fillet around their heads and
gulls feathers in their hair &
hairs & down dusted over their
heads. going through motions
which I have not time to write
a description of. I saw one
fellow with an immense mat
of hair tied in a fillet behind
and painted with red sand.
Ornaments seen, Bears & wolf
claws, Sable tails, beads in all
variety, fringes of moose skin
dentarium (moose also) dyed
moose hair & embroidered etc

I saw a sort of birch bark
basket for a baby, and hoods
of tanned moose skin for the
first time. All have the
dentarium ornament, through
the nose from below up. Give
all the women in the village
2 needles apiece as a present.
Get a man to go up with us
in the place of the one who
is going home. The stops have
not a particle of meat to be got
here. (Hoggs come across ~~the~~
river, and arms, beaver teeth
small animal skins, as from
into knives of their own man-
ufacture.

Arrived June 9,

- 71° 4. N 1 high hills 300 ft. S. 30. low
islands visible, E 2, Island, E 4.
High hills each side. Snowy. Argel
(1) 66° 10' (S. 10) 45° 10' (S. 10) 3. 10
S. 10 25° N by E 4. 10
(2) 66° 10' (S. 10) 45° 10' (S. 10) 3. 10

Leave Kuklukahyet about

and 35 balls & a pint out of
my own private trading
goods which have all gone
for you.

— Monday June 10 —

250. Large eruptive masses of granite
like rock (4) but without mica
N 3. Very high sides & nar
Plutonic rocks as before

NE 1, Rapid - 1 mile
5 miles through rock
from N 1 to NE 1



low in N 3, 1/2 mile
into the river 1 mi. then N 1
or 2 miles N 3. N by W 1

NE 2, & camp

Leave about 2 1/2 miles
push on through
the river quite narrow
and high hills of granite
and of granite & trap
rock sides, up to the
on top & across the hills. Meet
the Indians we sent up to over
take Antonio Houli who instead
of going on, stopped at Apol
his party, and of course did
not go on. But some men
went from them and go on
down the rapids about mid
night and back by them
without much trouble. There
are more rapids on the
down side. The rapids are
very bad and dangerous
at night. Make trail

I retrace and push on till nearly
 dark we camp. get specimens
 of the granite quartzite
 rock. Found a tooth of
 Equisetum in greenish
 sand near the rapids. I saw
 a lot of very small
 probably *Strophomena* or
 other fossiliferous sand
 in this part of the country.
 The river current is powerful
 even in blossom. Saw a
 number of canoes along the
 river. They will go as far up as
 the rapids. They are not fatigued
 but as soon as the Indians
 get on the hills a puff of
 smoke is seen. They are
 yellow.

June 11

2. Horizontal layers of
 hard black quartzose rock
 1 m. N by N. 2. W. with
 an island. N by N. 2. a
 little lower on both sides.
 N by W. 2. 7 ft high. N E by E
4. Island, both sides high, N E by E
3. S. side rather lower, 5 creeks S. side
 E by N. 5. The river is apparently
 running between two ranges of hills
 being thus alternate low
 points & high hills or bluffs
 on each side - N by E 2.
- Island, N E by N. 2, N N E. 3. N W by N
 3. & camp.

Don't notice any houses.
 Morning sleep till 1 p.m. and
 start at 4.35. Cut our bed
 on a stone & stop to sew &
 & chip at 10. get off
 again and travel till 12.30
 when we camp on a beach
 having tracks nearly all day
 between mountains &c.

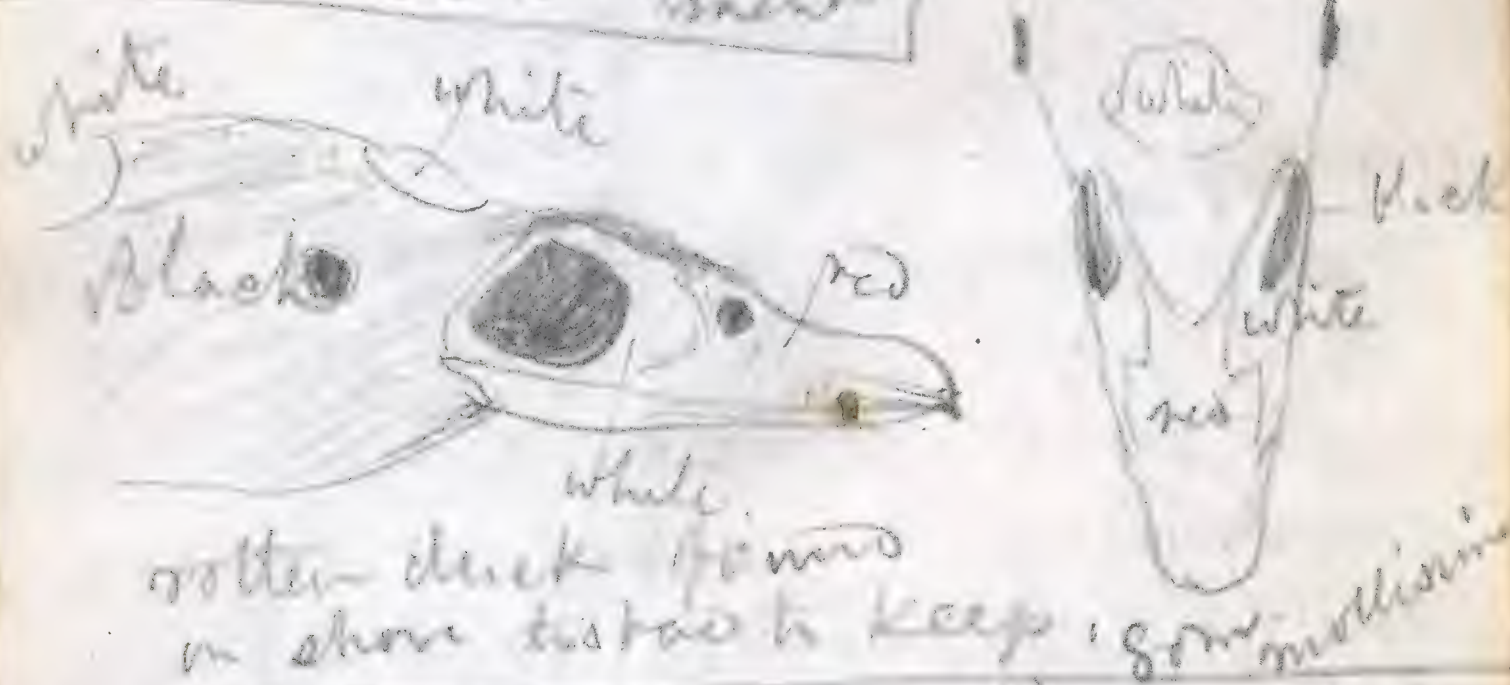
Wednesday June 12
 Up to this morning the water had fallen about 14 feet below highest mark but during the day it has risen again about a foot. The salmon will soon begin to come up. They usually do after the second rise which is not so large as the first, but happens every year. N.W. by N. 1/2. Island & high yellow bluff on S. side must look at when I come down. N.W. 2. The bluffs are yellow gravel with pebbles. Dip of beds N.E. 5° high 150 ft, W.N.W. 2. W.N.W. 2. N. 1/2 high N. 1 N. of high & S. side. Bluffs on N. side to be looked at when we come down, iron stained gravel N.N.E. 4. E 3. E by S 1, E.N.E. 3. N. 1.

Start at five ^{PM} pass a dead moose in the water and the Indians kill one, of which we get some meat, Chi at 11 P.M. and pass a wrecked canoe on some shoals go all day as yesterday between mountains on one side & low points on the other, alternately. Camp on a beach half a mile ahead of the Indians at 4. Bell.

Thursday - June 13



N.N.W. 2 1/2. both sides low. N.W. 2. N. 1/2 high S. side very low. Yukon's charcut R. running N.E. N.E. S. side high banks unstratified granite & green rock. N.W. 3 same rock 1/200 ft high S. side low. W by S. 1/2. N. 1/2 high. Bluff S. side of green rock before entering.



Island & bluffs of greenstone (S) W 2. Bluffs S. side. W by N 1. do. & camp -

Start at 5.30 and track around a 15 mile bend which might be cut off about ten miles across. Chi peck and find the Indians have left - the frying pan has

behind which is a serious loss
and inconvenience. Make a
shift of a wooden one and push
on. Rip the bidarra on a rock
and still push on, bailing to
keep her dry. The Indians
shoot a moose and soon
after we see one in the river
which after considerable flaying
away is shot by Bidarshik
one of our men. We push
on leaving him to follow in
the lodisca, but he foolishly
thinks we are leaving him
and comes on leaving the
moose for the other Indians
to bring on. They don't do it
and we camp & send him
back for the meat if the
Indians have not stolen it
all. Get our tent afire smoky
out the mosquitoes which
are like dust in the air.

L

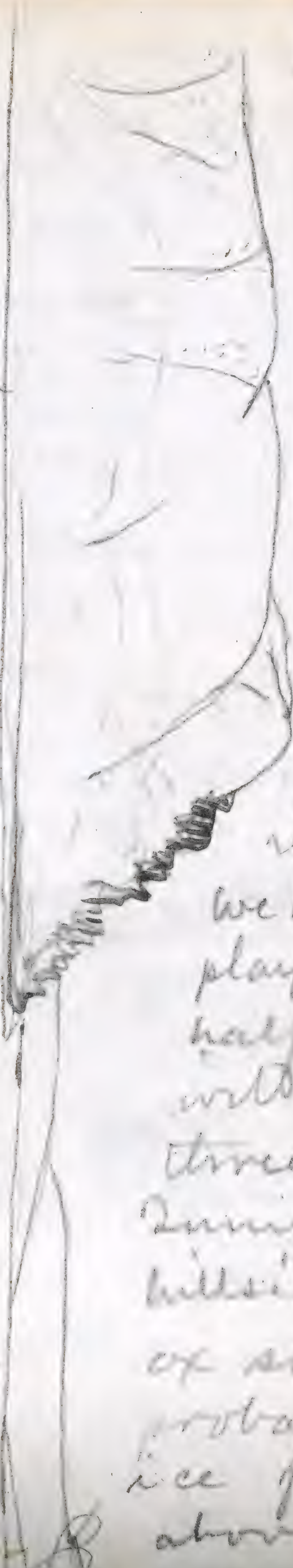
Go back with quite a
lot of meat & marrow bones
— Friday June 14, 1866 —

N by E 3. Both sides medium high
S 4. Green rock 31 by 21 3. Taken
in chum R. S 2. (tryp. "Caught in
the rocks") NNE 2. 50. Black
rock. N 2 high. NE 3. High bluff
of same. NE by N 1. N by W 2.
NW 1/2 Kestock R. N 2. N 2.
Island. White sand bluff on S. 2
N 2 low broad valley of K. R.
very broad N. N 1. High sand
bluffs N. H. N by W 1. Bluff
of dark green rock before no-
tices. Crowthark. NE 2.

Start late about 20x having our boat
scued up again and with a load
of fresh meat. Pass some fine
bluffs and two small rivers, Arrive
at 12 P.M. and leave the Indians
here except the old Tyne, they
will follow but will leave
the women here, and only the

men with
to the Eng
foot. About
them in
small bunches
with sables
skins & a
or two,
Indians
of him
sick &
which is
valuing as
are only
Camp about
find roses
and two or
flowers &
the rocky
part of a marsh
the beach
down by the
low lands

mouth of
Nuklukahy
R. Yorkon R.



push on
fish
five of
all with
loaded
& beaver
black fox
The
complain
times &
forty things
very agree
we know they
playing off
half past five
with snowballs
three other
Squirrels on
hillsides. Get
ox skull on
probably brought
ice from the
above. Another

day and
probably
between
tains
more
there &
all are

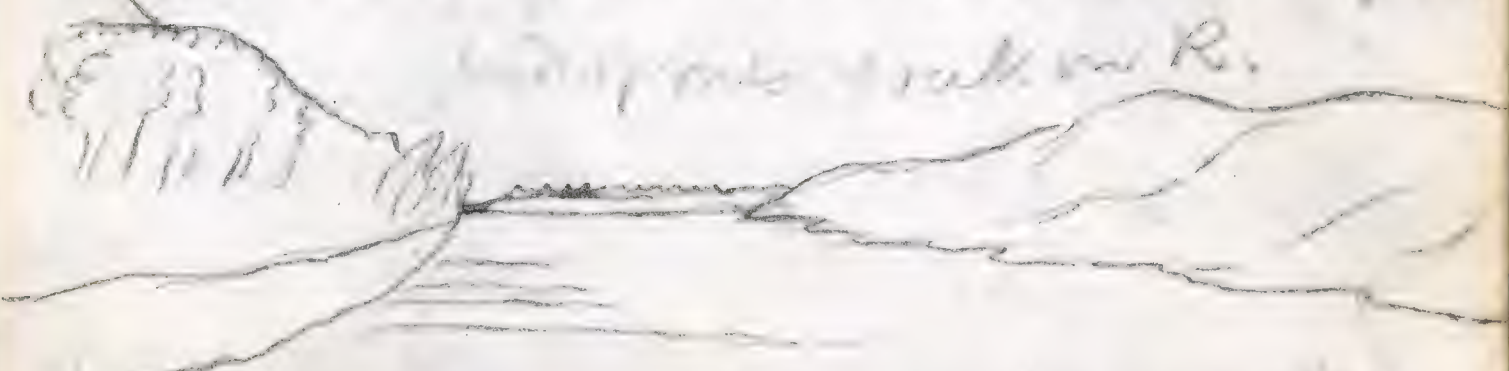


we shall
get out from
these moun
There are
rapids
low country
get to 7. at

Yorkon. From Nuklukahy to
to this point the rocks are
all Azoic and hence no coal
can be dreamed of. Quantities
of cliff swallows in the banks.

Saturday June 15. 1867

N. 3. Green rock on N. 50. 500 high
NW by N. 2, NW. 2 500 end of
this. N. 50 green rock. hills very low



From 3, NW 1. Many large island
Nuklukahy R. N. 50 N. 3, 24

N 2 3, S so low, distant hills, very
broad with many large islands
west S. Mts in distance S. 200

Dark about six & go a little
way when we see a moose
& her fawn in the river. After
shooting a good deal at them
the old one takes to the woods
and the young one being tired
out is towed ashore & when
per shoots it. I afterwards skin
it and preserve the skull.

Push on and about 10 P.M. pass
the last near mountains &
the river widens with many
islands and distant hills.

See an ewashka, get a thrush
the one whose eggs Antoshka
found, and push on, Chi
peet at 11, and camp at 5.30
A.M. 3 kinds of mosquitoes
each worse than the other.
Indian burning is detestable

Sunday June 16

N. 1, both sides very low. Mts
in distance N N E. 1 N E 3 N 2
N 2, S E. 5, S by N. 2, N by W. 2
N W 1, very broad with many
very large islands & high hills
in distance N, S W, S by E & E
N. 3,

Pass through some very
strong water and our Indians
begin the everlasting whine about
being tired and "bolem" Get a
pretty tern, cliff swallows nest
and eggs, some Libellulae are
out which has not its full plumage
however, a mouse and any quan-
tity of mosquitoes. Chi peet at 12
and push on till 6 P.M. tracking
a little. One of our men gets bled
for headache & exchanges with
his brother. They say the other Indi-
ans will go ahead tomorrow &
push on in their light canoes to
Fort Yukon before us. If then

So, it will be a great relief
from hummers of great perse-
verance.

Monday June 17.

NNE 2, N. 3, W 1 NW 1, N 3.
deserted village in N 3 all the
Inhabitants (Kutchá Kutchin)
died a year or two ago of scarlet
fever. NE 5. NE 4 N 2, N 2,

Start about 8 P.M. and pull through
some very strong water. The canoe
has to put back in account of a
leak but soon rejoins us. A strong
wind with showers springs up
and our little bidarra sails
through some very rough water
very well although all hands
have to lay low to keep her dry.
Chie at half past 12. The bid-
arra except me, leave us going
faster than we do. They will
reach the port several days be-
fore us. Come round a point-
and see a moose just going in
to the water. The canoe & the
indian in his birch, start
after it & he kills it with

his knife alone. It was a doe
not very large. Two of our men
get into a tuck, Tom & the
Bidarshick and I have to punch
his nose, finally, to stop it.
Camp on the point about 5.
Get a pair of small pullets of
which I keep the head & one of
and a large one (♂) which I
skin. I have no place to
pack specimens & they look
pretty rough after a few days
and I cannot collect as many
as I could wish for the same
reason. I only keep one of a kind.
The very large mosquitoes
carry their bill straight, &
the little ones, down.

Tuesday June 18

N 2, E 3 Mts in distance S. 30
white (not snow), a range some rather
high. NE 1, N. 1. See Lynx Canad.
Many large full eyes to get &
small one gray & black NE 2

E 2 E by N 3. This in distance S. 2
N 2 by N. 1 N + N by W 2, N E 1.
S E 3. (+ round a long cut off 4.)

Start early, have showers &
puffs of wind all night.
Chie at 12. & camp at 5, very
tired, work over two birds, owl
& little gull (S) and swarms
of musquitos. I cannot
keep my skins in good
condition or make good
ones under the circumstan-
ces. Their only value will
be a geographical one. Low
land & many islands all
day but South side Mts
in distance (20 ms?) abt
2000 ft high. ^{the beach is camp}

Wednesday June 19
round the bend N. 5, E 2 N 2 N by W
2 (cut off star) N 5 (cut off) N E by N 3
N. 2 E 4 E N E 2, any quantity
of large sloughs & islands
also some shallow water &
riffles. N E 4, 2 camp.

Pass through a most tortuous
and puzzling labyrinth of
very large passages & islands
any one of which might be
the main river or shore.
Work very hard against
strong water, have some
rain & cloudy all night.
Wind helps us a good
deal. Pass the point where
Ketchum camped last year
& made Ft. Yukon in 2 or
3 days. See a black bear
& an woshka. Chie at
12, & camp at half past
6, S. 2. Get another horn
& 13 cliff swallows eggs
and a sharp tail duck egg.
Find only alcohol tank
leaky and almost dry
take out the specimens
but have to throw all but
two away.

Thursday June 20 (86) -

NW 1, N1, round core N4.
NW. 1, very shallow with gravel
bars, N + ENE 2, N3, N3 NE 2
N2

Start at 6 P M and pull
against a strong head
wind & afterwards a se-
vere storm of rain till
3 till when it gets so bad
that we camp. Everything
is wet & nasty & we come
through some very strong
water. See many terns
& gulls, river as winding
& tortuous as yesterday
meet the Indians which
we hoped had gone on
camped on the bank.
See many sharp tail ducks.
In three or four days more
we hope to go at that-
Yonkers

Friday June 21

Why W 2. Ely N 1. N 2 N N W 1
Ely S 1 N + N N W 1, NE. 1, NW 4
NE. 2. ENE 1. N + NE 2. very
shallow + full of bars, NE 2
N. 3. E 2. NE 2. N 2. Why N 1
Fine snow covered Mts bearing
N W, 15° W. Both sides very low
and bleak.

Start at a quarter to two P.M. & pull against a chilling east wind & strong current till 6 when we overtake the Indians who were going on in advance to Kat Youkon. Chi peet at 6.30. Pass the Indians, push on till midnight and chi again at half past twelve. On again till 5 when we camp. Both sides very low and dreary but just as we camp some fine hills or snow covered mts far in the distance; a long day and against bad wind & water but make pretty good time.

Saturday June 22
Through slough N, NE
E, N, NE, to river E by N 1
N by E, 2 N 2. Slough N 2 E 2.
Schumaker's R. E 30. N 2, to river
E by N 1. N 2 1. N 3. NE, 2. Slough N 2
E 2, 2 E by N 2. N 2. N by N
3, N, 4 E, 4 E by S. 4 N by E 1.
E NE, N 3, 4 camp near river

Leave about 6:30 AM &
push on through strong
water and over numerous
bars, at one of which
I have to get out in the
water to help the boat over
might less than a hour
long. Chi at 12, meet one
of our old crowd of runners
coming down & learn that
there are some English In-
dians camped above Fishing
Pass the Birch River of the
English. Banks now very

low & trees small. Antonio
Hank took ten days to St. John
on the boat is not back yet
nothing to eat there, the Indians
say. Get there about half
past seven, go across a
little slough & camp. Buy
28 fish for a leaf of tobacco
piece, & 6 more for three
pipes. There are four or
five men a boy or two &
five women. They are
much better looking, better
and than those below & bet-
ter dressed. They have many
dogs, and a great deal of fish
dried in the sun. The
men wear the same moose
skin parki as the women but
shorter, all wear headst. many
of them English clothing, leggings,
etc. They have quite a num-
ber of black bear skins.
The Indians who accompa-
nyed us up, are staying with
them.

Sunday June 28th
River N. 1. N E by E. 1. (N. N E. N E
E. N E. N. N W. W. S W by W. W) 3
River (mts W by N. distant) N 1
E by S 2 / River? W N W rapid SE
2. E by S 1 N. $\frac{1}{2}$ N = $\frac{1}{2}$ N 3. N W E 1
E. 3. E 2 / Same mts, N W. (down
N E & S E) N E 1. E 2, N E 2. / Por-
cupine R. N W). E $\frac{1}{2}$ St. Youkon
N S.

The old chief from St. Youkon
comes down in the night and
sits around, bunning for to-
bacco &c. Whympier gives him
a cup, some Sherkatsky tobacco
&c, & he comes out with a piece
of good meat. saccati. After a
good deal of disturbance get
to sleep. Up about five P.M.
get breakfast but it is so very
scorching hot that we do not
start till 8.20 P.M. Pull
against a good deal of
strong water. The Indians
shirk their work on account

of the heat, and I keep quiet
and work off my anger by
paddling furiously.
Chi peet at 82. meet a boy
from above Antoine Houles
rabbolnik. Antoine is gone up
to meet the brigade. Chi again
at 6 A.M. and on again,
river very shallow & strong.
stop opposite the mouth of
the Porcupine R and set
the American & Co. flag
a fire a salute of guns &
pistols which is returned by
a great crowd of Indians
who are gathered around the
fort waiting for the brigade.

Found three white men there
two Scotch & one French Cana-
dian (Francis Boucher, Ander-
son & Mac Iver.) Get the mis-
sionarys room, put our things
into the store, our bedarra on
the stage in front, get some fat
& meat from the old Canadian

in charge, Arrive at 12 o'clock
M. of the 23rd. The Fort is
unfinished, but what is done
is well done, strong, well
finished & clean. Get some
little grub and the three men
into tea, which is the first ^{time}
they have had in five years.
Turn in about three o'clock
for 18 hours hardpadding
has made me sleepy.

I have the honor of being the
first American to ascend
the river from below and
if I go down as is proposed
in company with Capt. K.
& C. it will be the first trip
ever made from St. Youkon
by the river to the sea, a
trip of 1200 miles long.

We hope however to go
a little further up the
river & look at the Mts.

Monday June 24.

Got up late have the three men
to breakfast. flapjacks, fish
ham & choose meat, which for those
who have not tasted flour for 4
or five years is rather a treat.
Get the chiefs. 3 in number. Red-
Leggins & two others, in. and give them
some tobacco. Get three pair of moccasins
one from RedLeggins one from
Boucher, & one from the young Scotch
man. must get about a dozen pair
to give away to runners & friends
down at St. Michaels. Get a young
black fox & some young pintail ducks
a nest 3 eggs & mother bird from an
indian. a number of beetles.
a mutilated rail, & skin a gull
& her two young ones, a golden plover
& a black duck & get the In-
dians to skin the fox. Scorching
hot, lay around resting. Smoking
to all day. The Fort is a new
one not quite finished and a
great improvement on the Ru-
cine ones. It will be done this year.

Tuesday June 25. 1867
Some Indians came down the
river yesterday, having seen Hetch
um as he went up. say he was
going very fast and will soon be
down. I fear that our trip to the mts
up the Yukon will be dashed. It is
five days and strong current & we
will have to wait here for the
English brigade. I am so hot
that I can do next to nothing.

Wednesday June 26
Hear that the boats are coming
& shortly after we go out to the
bank & meet Messrs M'Dougall
the comdr of the Fort, M'Donald
the missionary, & Libbeston one
of the men belonging to the Fort.
Their boat which draws $2\frac{1}{2}$
ft. brought 900 lbs of goods
Set up a good dinner for them
and bring out the tobacco &
liquor which we brought up.
for them and pass a quiet
evening very late to bed.
They are Scotch, very quiet
& have a good amount.

Thursday June 27
Get a lot of soap & fleecy
very hot, lay round & do
next to nothing. Go up to
Antoine Houles house & give
him what we brought
up with us for him.
He is a good fellow. In
the afternoon about 11 P.M.
the Tananach Indians
known here as the gens
de Buttes, come up in 25
canoes with furs to trade
promisely for moccasins. Get
2 Rossamunga skins from An-
toine & a little tobacco bag.
So hot that we can do nothing
strike M'Dougall for guns
for our men, which he says
we can get if any are left
after the trade is over, which
is as well as we could
expect, as they bring their
goods a very long way to get
them to Fort Yukon.

Friday June 28

News by the Tananah Indians that they saw a white man's body in the water about a day below the Fort. Near there we saw the old canoe. It was probably that of the man who accompanied Mr. Cowles as his knife pipe & belt were brought up.

Mr McDonald goes down with an Indian & Anderson to look after the other body & inter them. Ask for a moose skin, as Peter Pellys wife has time to make me up a few pair of moccasins.

M'Ever gives me two pair, which with two from Boucher, one from Antoine & one from RedLegs make six pair on hand. If I can get six more, I shall be well satisfied. Grover my sketches in ink to prevent their rubbing down out

Saturday June 29

Morning. 8 o'out & get some sketches & plants. About 4 P.M. news that Ketchum is coming. Go out on the bank & see two large canoes coming. The Indians & all hands pop away and give them a good salute, and we soon grasp the Captain & Mike by the hand. They have been in two large birches with four Indians to Fort Selkirk. 600 miles, ~~to be~~ in 28 days & back in 4 days. They have found a fine country with any quantity of moose & open to navigation so far but no further. A large rapid just above Ft Selkirk. They have had a pretty good trip but have had the greatest impertinence & insolence from their Indians to endure, & mosquitoes!!! A river, the White river, which is the cause of the muddiness of the Yukon, comes in about 100 miles below Selkirk on the left-bank.

Have a jolly good supper, go up & see Antoine, talk, smoke & finally turn in about two o'clock at night.

Sunday June 30
Sleep till past noon, and as
Mrs McDonald is asleep, wait
till nearly 6 P. M. for breakfast
Mr McDonald gets back from below
having found & varied wards
body, but Cowles' was not
found. Go up to Antoine &
have a talk with him, &
take tea in the tent with
some of the men, day very hot
& sultry. Go up to the site of the
old fort of which only an
old smoke house is standing
& am nearly driven wild
by mosquitoes, in numbers too
great to be described or imag-
ined unless seen - Back &
have dinner about one at
night & turn in very late in
the morning.

Monday July 1, 1867
Mr McDonald trading all day.
Look over a lot of his birds & eggs some
of which I shall take down -
I will give a package to the Indians

in Loucheux. The tribes are the Nuu-K
or Gou-Li Group, Gou-Katchin, or Gou de Butte
and Natche-Katchin, or Gou de Lorge, called the
Katcha Katchin or Yukon Indians / Loucheux
A cold north wind, fires & no mosquitoes

Tuesday July 2, 1867
Work over birds. Samual Lebeaux
get through trading & leave. Red-shirt
goes down & I pay him off & buy a bag
of him for 1 1/2 skins, 1 fur. Read Scott's
Fair Maid of Perth. The days are very
mixed now but a few hours dusk only,
& we rarely get up till past 4 in the
afternoon and turn in about the
same time at night. Many sick Indians
are come to me but with no medicine
I can do little for them.

Wednesday, July 3, 1867
Morning, chilly & cloudy. Read Vlayoff.
Mr McDonald ~~has~~ has the Episcopal service
in the afternoon, & a sermon. Go up to Antoine's
house where he gives us a tune on his fiddle
and some of the little Indian boys dance
very well to the tune of it. Change some
of my good tobacco with A. for the 14, 18,
Co. tobacco to pay Indians with. A slight
rain in evening. It is difficult to pay
for work here as there is no money in the
Pt. we cannot draw from the N.B. Co and
we have next to nothing to give of our
own. Trust to luck.

Thursday, July 4, 1863
Rise about 2 P.M., and after breakfast
talk over matters with the big boys
with the Capt. Give our Indians
their flour for the down trip.

Skin a fine king fisher, put away
& pack a lot of birds from the
mountains in the Bens de Large Coun-
try N.E. of Ft-Yukon perhaps
250 miles. They were collected by
Mr Mc Dougall and mostly have
their eggs with them. We shall
probably go down in three large bird
canoes and therefore I shall have to
cut my luggage down to the small-
est compass. No powder for a salute.

Friday, July 5, 1863
Get my mocassins from Christy
and pay her & Boucher.
Make up our minds to leave
Sunday night. Mr Dougall
wants the Capt. to wing up
M Lead from below! The men
at this fort are fed like the
Dogs, on dried moose meat
all the year round, no flour
a few pounds of tea when
on the road & nothing else.

Saturday July 6
Get the Indians at work mend-
ing up the bidarra with
moose skin as we find the
canoes will not take down
our baggage. Get guns for Tom
& Mikaiska, a knife for Bidar
Skik Kull & Mikaiska
a powder horn for the Bidarstak
and a fine capote for the
Nuklukahyet man. On my
own account get some soap
velliche for snowshoes, & two
moose skins which makes 3,
I have got. Get all our things
together for going down to-
morrow evening. Heartily
tired of a place where we can
not pay for any thing in money
& have not the goods & where
we can draw nothing from
the store on account & feel
generally like beggars, paying
in promises.

Sunday July 7
Morning Prayer service by the minis-
ter in the large room. (Afterward
send my moose skin to be smoked)

Get Mary to make me a mosquito
net. Have a good deal of bother but
finally succeed in getting a lot of
Tamanak words for my vocabulary.
Pack every thing up. Get the bidan
sewed & ready. Get three pair of
shoes (unfinished) from Antoine.
Libbston gives me a good pair of otter
skin gloves. Anderson goes up the river
and brings me down some marl from the
bed of an extinct lake. Get dinner
very late and prepare to leave.
Stake my large birch with Mikaish-
ka, and Tom, and Capt. H. takes his
boat down with Deak & Bouche's
boy & Mike & Whympers the bidan
with Kurill & Bidanshik.
Bid all hands good bye and get in
to our boats about 2 A.M. of

Monday July 8
Start with a tremendous cracking
of guns from the Fort-Indians
who are fond of using powder, and
slide swiftly down with the cur-
rent, up sail & make about
24 or 25 knots. Boil the chimich
and for some time about 6 till
& taking things off board, eat, as
we drift down thus saving

time. Day cloudy with dashes
of sun. Pass the camp where
we slept two days before reaching
Fort Yorkon. It is much easier
going down and besides as we keep
in the middle of the river we
avoid many of the mosquitoes
& can smoke in peace - Chi
again about 9 P.M. & about
12 pass the camp of June 18.
5 days from Fort-Yorkon.

Tuesday July 9
Drift & paddle slowly down stream
making about 4 miles an hour,
only stop to rest when the day
nigh & go aboard & eat our grub
drying down near white &
sleeping in the canoe.
About 3 P.M. enter the river
& Ramparts. Chi on again
a large fire in the woods and
where fills the whole air with
smoke. Have a very bad
cold caught at Ft. Yorkon,
which makes me feel quite
miserable. Chi again and
off. Make about 12 miles a
day. Rather better than coming
up stream.

Wednesday July 10. 1887

Morning about half way to the rapids. Pass the fire which has made all the smoke. Look for the young man bundle which we left at our camp coming up, but it is gone; probably the Indians coming down have taken it away. Cut loose & paddle ahead a good way. Pass the rapids about 6 P.M. no Indians there and as the river has fallen at least 6 feet, it presents a totally different aspect. a large island of stones rounded by the water and the rapid which attracted most of our attention was caused by a very insignificant ledge of rock. See a stray dog on the beach & a pile of nets &c but no Indians. Below about 10 miles find an old Indian & the red shirt man catching salmon. Buy one of them quite large

& very good. Push on the Indians joining us till we arrive at another Indian camp below.

Thursday July 11.

Find the young chief and all his people camped opposite Muchl uchaet, about 2 o'clock & asking him for some fish or meat he asks us to make him a present first, and then he would see what he would do. After what the Capt. gave him in the winter & spring & my self this summer, this was rather ungrateful but a fair sample of Indian dealing. Finally, for 25 balls & two cans of powder, we got some meat & fat & the Capt. some skins. Push on. Cheer up all, and on, sleeping & drifting down till a rain comes on & but soon get ashore & tent up when it stops. get tea & punch. Knoll takes my canoe & goes off for some geese & brings back two. They are moulting now & can not fly. Baptiste kills one & one, too.

Further on, go ahead and
shoot three geese. Two large
ones & a small one - go to
shore and the boat & push
on and pass Nowikakat
about midnight -

~~Friday~~ July 12

Morning drifting down
sun very hot - but very
foggy as for three days back
Go on slowly & shoot another
goose. Pass the Nowikakat-
raped & mountainous River
as calm as a lake. Pass
Sookakat River about 12 M.
Meet 4 canoes with Nowikakat
Indians & salmon. The bulk of
them are camped below with
near Melogikakat R. Get
there about two hours after
and find the Nowikakat Indians
there I get a few fish & some
birds & he makes me a pres-
ent of some fat. Tie up his hand
which was badly cut. Push on
the boat on the other side &
go on till 10 P.M. when we

meet some Indians from an
other lot of Indians who are
also fishing on the river. David
is with them. Ask him why
he lied about the Captain on
his up trip &c. He said first
that he did not, and second
that he would not do so any
more, I was sorry. Tell him
that he has better not come any
more where Americans are
& go on. One of them tells us
a story about the Uolaklet
party having taken a Kaedak
Indian who had cut down a
telegraph pole & hung him
up to a pole & then shot him.
It is probably one of the lies
natural to Indians. Drift
down slowly & go to sleep.

Saturday July 13

Wake up late, we having passed
Saccatavintan, and half way
round a big bend find *Lepidurus*
& *Disidium* & *Valvata* fossils in
the banks - also *Planorbis* & *Encrinurus*

Go on till about 3 P.M. Meeting
Indians by the way, from Ko-
yonukuk & Tokitesky, and getting
a new, small, gull which I
skin, 3.30 pass the small bluff
where the water was so strong
coming up. The clouds which
have made everything so
dark & obscure for 3 days
stop here & proceed from a
very large fire near Koyou-
kuk, 4.30 reach Koyonukuk
Sopka just above which find
some Indians fishing & see the
young fellows who went up
to Nuklukahyit with us from
Nouvikahkat - Near that Cape
la refused to go down to Nulato
with Peetka & he stayed alone on
the bidarra with the dogs but
was obliged to buy a small
canoe part way down, put
the dogs & most of his traps ashore
and leave them, an Indian
~~was going to go~~
afterward. Found two
of the dogs I took one of

them to Nulato but Peckett
did not pay him & the other
one is at his house - 6 P.M. Leave
& go over to the point where the
Koyonukuk Indians are en-
camped on an island & the bidarra
goes on. Larroon is there
silk as he says. Letters from
& Leckunka are at Nulato,
Russian ships have arrived
See Wookyotuk brother & the
Toborindala. Have a present
of some deer meat, a tongue
& piece of back fat. Give the
old woman a pup & 20 caps.
Buy 3 waxwings from an in-
dian. Push on and reach the
Nulato Bluffs about 8 o'clock

Find Nulato Magorsha on
the beach who tells us
that the whole of Russian
America has been bought
by an American Com-
pany, a ship & steamer
have come to the Redoubt
& the Russians are all

going home soon. This
news is as unexpected
as it is welcome, but it
is a little vague. Arrive
about half past ten
and the Russians give
us a big salute. Find
a circular from Wright
ordering all hands & posts
to be at the Redoubt on
the 5th of August and a
letter from F. M. Smith
to Pickett telling him
to get the news to us as
soon as possible, but no
particulars. This order
makes us all anxious
as we know not what
changes may be at hand
but having done our duty
whatever takes place we
cannot come out with-
out honor. Get every thing
into the house, chi with
Hager & turn in early.

Koyukuk Sophia — from No. 34





Autumn



the production of the building, and the

223

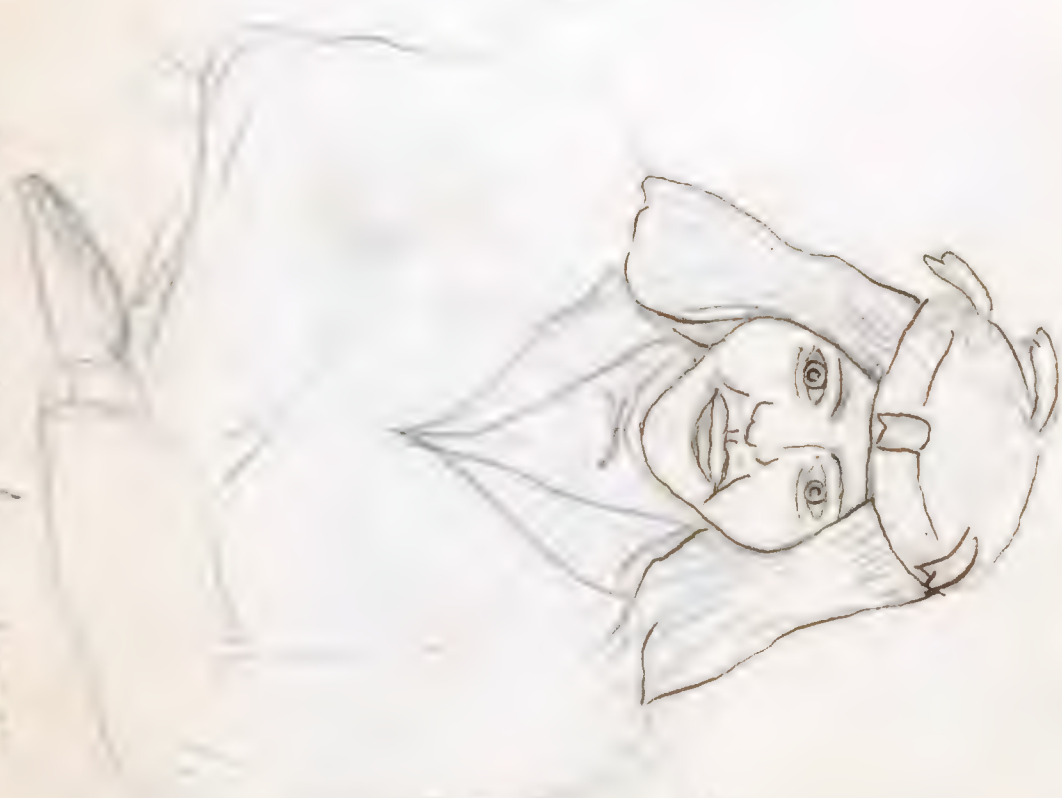
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coloring
white.



Yehonit-lach, 1879



Amich-antopie



Northern River
 Camp & day above
 thickly set of
 the shore

Nakutgohtumuk R.
End of Nulato R.



sans la Burtles

Yellowbird.	Seen.
Goldfinch.	Song sparrow.
Gray Kingfisher.	Cow bunting.
Brown & white head.	Black bird large.
Hawk.	Cat bird. heard.
Sandhill cranes.	Loon. St. N. diver.
Large sandpiper.	
Black cat.	
Golden eye.	
Raven.	
Robin.	
Loon.	
Gull.	

Wood goose. Chiff swallow.

Black & white. Snipe?

Woodcock.

Rainbow

Mr. V. Ball,

W. J. Cass. Ex.

Acting Direc. Scientific Corps

1063

1927-1

27^a rank
360
630

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